

Minutes of Meeting
Tuesday January 16, 2007 at 09:00 AM

Location: 4050 Taylor Street, San Diego, Room 2-534 Otay Lakes

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Subject: Caltrans – Industry Falsework Forum Meeting # 4

Attendees

Initials	Name	Representing	Initials	Name	Representing
JFW	John F. Walters	Caltrans OSC	DJ	Duff Joseph	Erreca's, Inc.
JB	John Babcock	Caltrans OSC	PS	Peter Strykers	Caltrans OSC
KB	Ken Bocchicchio	Caltrans OSC	BM	Brian Mapel	FCI
FG	Frank Gillespie	Yeager/Skanska	RH	Rich Hebert	C.C. Myers
JW	John Weldon	FCI	NR	Nathan Reiland	Yeager/Skanska
KB	Ken Burkle	Caltrans OSC			

1. Agenda

Time	Topic	Speaker
09:15 – 9:45	CT BCE Technical Team: 1. Team member introduction 2. CT BCE Technical Team Work Plan	John Walters
9:45 -10:15	Column Cage Stability: 1. Review of UNR Proposal Outline	John Walters
10:15 -10:45	CT Review of Erection and Removal Plans: 1. Review Draft Checklist	John Walters
10:45 -11:15	Falsework Forum/Team Charter: A declaration or document setting forth the aims and principles of a group. (<i>Webster's New world Dictionary</i>) 1. Purpose/Goals	John Walters
11:15 -12:00	Open Discussion/Assign Action Items	All

2. Meeting Notes

- A. Introduction and discussion of BCE Technical Team:
 1. Purpose of the team is to resolve issues related to falsework
 2. PS brought up the issue of non-gradable deck overhang forms and problems created by them.
 3. RH would like to see analysis of FW failures. Lessons can be learned from discussion of failure mechanism.
 4. Camber:
 - a. Matching existing on widenings: Majority of camber is long term (60 to 90 days). Provide some discussion of this issue in the FW manual.
 - b. Camber vs. deflection of Pre-cast girders. Discuss in the FW manual.
 - c. Structure Reps using 100% of load for camber strips. DJ recommends using $\cong 1/3$ of total Δ . \Rightarrow Check Falsework Manual. Various opinions. Burkle uses a portion of the deck. Can Vic Maletic be hired to work on the issue?
 5. FG asked about grounding of longitudinal loads into pinned columns. What's allowable? Question for designer?
 6. PS – Winches suspending/supporting FW over traffic or RR? Is a secondary/redundant support always used/required?

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7. FG – Rolling soffit over live traffic. What's BMP? JB – Joists continuous over 3 stringers. No hammers or tools.
- B. University of Nevada Reno proposal to study inherent Column Cage Stability. A summary of the proposal was sent to attendees.
 1. There are many variables
 - a. Number of ties, number of wires per tie, tightness of ties
 - b. Spacing of Internal bracing
 2. Guy wires are commonly spaced at 20 to 30 ft intervals
 3. DH Charles did an analysis of column stability for the Skyway (SFOBB)
 4. Spirals vs. hoops
 5. Action items:
 - a. What do we want to get out of this study?
 - b. What are the problems with the proposal?
 - c. No one volunteered. (Rich Hebert volunteered to help with the research via email 1/18/2007)
- C. Basic Erection and Removal Plan: A draft checklist was provided to attendees.
 1. Is the checklist for plan check or for field review? Seems to be for both. DJ will separate the items.
 2. There is a disparity on checks by Structure Reps.
 3. Falsework needs to be engineered with the removal in mind.
 4. Sand Jack Study – send out finalized report.
 5. See Attached checklist for additional comments
- D. Team Charter: Purpose & Goals
 1. Uniformity:
 - a. Standardize guidelines for Caltrans
 - b. Consistency of Contract Administration Statewide *(Is this a personality issue?)
 - c. Industry may be standardizing also.
 2. What are our goals for the next ten-year?
 - a. Remove autonomy?
 - b. Be flexible?
 3. Share Experience
 - a. There is an experience gap
 - b. Share Knowledge
 4. Provide forum for the resolution of problems.
 5. Provide a forum for discussion between Caltrans and industry regarding the design and use of falsework.
- E. Discussion:
 1. RH asked if Caltrans is making recruitment efforts. He suggested doing presentations in schools. (High Schools and Elementary Schools)
 2. Caltrans is promoting recruitment efforts.
 3. FG brought up contract specified drilling and grouting of temporary K rail on a HWY 60 job. He thinks this is overkill and creates more problems than it solves.
- F. Orange County was proposed as a next meeting location. Ken Bocchicchio will set it up

These notes may be relied upon as the approved record of matters discussed and conclusions reached during the meeting.

Prepared by: John F. Walters PE

Signed by: John F. Walters

Date: 01/25/2006
